



The Connection



A Well Drilling Industry Newsletter



MISSOURI DEPARTMENT
OF NATURAL RESOURCES

VOLUME 16 NUMBER 2

SUMMER 2009

WELL INSTALLATION BOARD NEW

At the May 15 Missouri Well Installation Board meeting held in Rolla, the board heard from staff on several topics. Items discussed include an apprentice update, the Wellhead Protection Section's fee increase and an update on current rulemakings. The board voted unanimously to increase the section's certification and registration fees beginning July 1.

The next meeting of the Well Installation Board is scheduled for Friday, Aug. 7 at the Washington Public Library, 415 Jefferson St., in Washington. Open session will begin at 10 a.m.

INVESTIGATION REQUESTS

Each year the Wellhead Protection Section receives numerous investigation requests ranging from reports of abandoned wells to issues with newly constructed wells. When an investigation request is received, the information associated with the request is considered public information and must be provided to the public upon request. This includes the name of the complainant and any other information regarding the request.

If a complainant wishes to remain anonymous, it is important they avoid providing staff with any information regarding their identity. A wellhead protection investigation request form is available online at www.dnr.mo.gov/forms/index.html#WellheadProtection.

MONITORING WELL RULE AMENDMENTS STATUS

The Department's Wellhead Protection Section is in the process of amending the Monitoring Well Rules. The section drafted the rule amendments and held five stakeholder meetings to gather input. The focus of the amendments is to bring the rules up-to-date with new technology that emerged since the rules were written in 1994. Currently, anything not covered in the rules has to be addressed using the variance procedure.

After the stakeholder meetings, staff incorporated the suggested changes into a new draft and mailed it out to companies that employ permitted monitoring well contractors. They were given a Feb. 10 deadline for providing more comments. At the May 15 meeting of the Missouri Well Installation Board, the board directed staff to move forward with the rulemaking process.

Once approved, the report will be published in at least one newspaper of general circulation with an average circulation of 20,000 or more and will be posted on the Department's Web site. There will be at least 60 days for the public to submit comments and all significant comments will be posted and responded to prior to promulgating the rule.

After this step has been completed, the Well Installation Board will be asked to approve and vote to file the proposed rule with the Missouri Secretary of State's Office to be published in the *Missouri Register*. The regulatory impact report will be provided along with the proposed

rule to the joint committee on administrative rules, which begins another comment period with a public hearing. We encourage input from anyone affected by these amendments.

For more information, call the Wellhead Protection Section at 573-368-2165.

A NOTE FROM THE MISSOURI WATER WELL ASSOCIATION

The object of the Missouri Water Well Association, known also as MWWA, is to protect the quality of the groundwater through high construction standards, maintain the well industry of Missouri on a scientific and efficient basis, keep water well drillers and pump installers informed of new developments and techniques in the industry and provide for mutual exchange of ideas to advance the industry.

MWWA has a voluntary Continuing Education program for water well and pump installation contractors. There are no fees for this certification; however, to become certified, a contractor must earn 12 points during a 12-month period beginning March 1, and become a member of the MWWA. Many contractors took advantage of the association's Continuing Education program seminars; some of which were held in various locations in Missouri last year. The largest seminar was conducted by Franklin Electric in Branson in March 2008 with 68 in attendance. Franklin Electric conducted another seminar in June 2008, which also had good attendance.

Continuing Education points may be earned by attending the following events:

- MWWA convention business meeting, four points.
- MWWA convention seminars, three points each.
- Well Installation Board meeting, four points.
- MWWA district meeting, six points.
- National Water Well Convention, four points.
- One day industry seminar, four points.
- View convention displays, two points.

MWWA tracks points earned by contractors throughout the year and certification is awarded at MWWA's annual convention.

The four seminars conducted at the 2009 convention were:

- Drillers Beware! Safety and Loss, presented by Intercounty Electric.
- Pumps and Water Systems, presented by H2OPTIMAL.G
- Groundwater Level Monitoring in Missouri (*50 years of Ups and Downs*), presented by Jim Vandike, Missouri Department of Natural Resources' Water Resources Center.
- Current Caterpillar Market, Fuel and Emissions Information, presented by Fabick Inc.

The following contractors reached their certification goal:

- James Rolens – A & M Pump Inc.
- Lindell Lindsey – A & M Pump Inc.
- James Cook – Ark-Mo Well Drilling Co. Inc.
- Bob Lawrence – Ark-Mo Well Drilling Co. Inc.
- Danny Breshears – Breshears Pump
- Robert Breshears – Breshears Pump
- Gerald Buetching – Buetching Drilling
- Jacob Buetching – Buetching Drilling
- William Lapaglia – Buetching Drilling
- Richard Burton – Richard Burton Drilling
- Dale Brower – Dale Brower Custom Digging
- David Schnell – David Schnell Drilling
- Shawn Schnell – David Schnell Drilling
- Kay Schnell – David Schnell Drilling
- Fred Douglas – Douglas Pump Service
- Mike Douglas – Douglas Pump Service
- Mark (Andy) McCullough – Drill it Well/DBA Hewitt-Messenger
- Kurt Jolander – Drill it Well/DBA Hewitt-Messenger
- Richard Linebagh – Drill it Well/DBA Hewitt-Messenger
- Joe Foppe – Foppe Well and Pump
- Fred Schoen – Geo Enterprises
- Jim Klinkhardt – Goggins Drilling
- Tom Gordon – Gordon Drilling
- Stanley P Grantham – Grantham Drilling



- J. P. Higdon – Ground Source Systems
- Greg Evans – Lefty's Pump and Drilling
- Bob Lamme – Lamme Drilling
- Doc McClanahan – Marler Pump
- Gary McCray – McCray's Welding
- Charlie Agee – Monette Well and Pump
- Hadley Vincent – Monette Well and Pump
- Larry Gipson – Monette Well and Pump
- Brad Hoyt – N. Fennewald Pump Service
- Kevin Pelton – Pelton Well Drilling
- Ray Pelton – Ray Pelton Pump
- Adam Pelton – Ray Pelton Pump
- William Blomberg – Reid Pump Service
- Tommy Schnell – Tommy Schnell Drilling
- Rex Trent – Trent Well Service
- James Wallace – Wallace Well Service
- Stevie Crawford – Wideman Well Drilling
- James Willey – Willeys Well Drilling
- Allen Willey – Willeys Well Drilling
- Mike Woolsey – Woolsey Well Service
- Clinton Mahan – Woolsey Well Service
- Mark Woolsey – Woolsey Well Service
- Ben Woolsey – Woolsey Well Service

If you would like more information regarding the MWWA, or its Continuing Education Program, contact Mike Woolsey, Continuing Education Director, by phone at 417-932-6926, by fax at 417-932-6936, or by e-mail at Woolsey.mike@yahoo.com.

CONGRATULATIONS!

The Department's Wellhead Protection Section held two drawings at the annual Missouri Water Well Convention in Lake Ozark. The Department awarded two \$50 credits toward permit renewal. The winners of the drawings were:

- Joe Foppe—Foppe Well & Pump
- William Fennewald—N Fennewald Pump Service

NEW STAFF

In mid-January the Wellhead Protection Section hired new unit chief Chris Wieberg. Chris supervises the section's field staff and is in charge of supervising the investigation and remediation activities of the section. Feel free to contact Chris at 573-368-2167.

SIGNATURE OF PRIMARY CONTRACTOR

According to the Water Well Driller's Act, any person acting as a primary contractor in the construction, alteration, major repair or abandonment of any well shall be required to obtain a permit from the Department of Natural Resources and comply with all rules and regulations. In 10 CSR 23-1.050, one of the rules that implement this law, it states "Persons who contract the drilling of wells, installation of pumps or both but do not drill the wells or set the pumps must be permitted." The permits for those who do not perform the work are restricted. In 10 CSR 23-1.090, the rule states that "Restricted permits are issued to persons who only contract the work specific to the type of permit requested or to primary contractor on-site supervisor."

This means if you supervise a driller or pump installer, you must have a restricted permit. If you direct the work of a driller or pump installer, you need a permit. Examples of how the Department applies this law and these rules include the following:

- If you contract with a client to drill a well and install a pump, however, you drill the well yourself but plan to sub-contract the pump installation; you must have at least a restricted pump installer's permit since you are the primary contractor.
- If you are a consultant that has a client who needs monitoring wells installed and you contract that work to another company, you need at least a restricted permit.
- If you install ground source heat pump systems and hire a driller to drill the holes for the system, you need at least a restricted permit.

The certification or registration report form must be submitted illustrating the construction details of the work performed. This includes the permit holder's signature and permit number. Both parties, driller and primary, must sign the form. The definition of all the different



types of contractors state they are “persons, including owner, operator or drilling supervisor who engages for compensation in the drilling, coring, boring or construction of any well in the state.” The contractor’s signature on the form certifies the activity performed is done in accordance with the construction rules that pertain to that activity. The form is required to be filled out completely, including signatures of all permittees involved in the work.

SPECIAL AREA 2 WELL CASING REQUIREMENT

The Department of Natural Resources is issuing special well casing requirements for Special Area 2 (Newton and Jasper counties) based on data collected from contaminated wells. These well casing requirements are being issued to better protect public health and prevent groundwater contamination. Please note, this notice supersedes the recommendation sent to contractors and dated Feb. 24, 2009 and became effective April 1, 2009.

Water from contaminated wells was sampled and analyzed for lead and cadmium. Water samples were taken from wells within the impacted area and were found to contain three times the maximum contaminant level for cadmium. The contaminated wells were used to determine the impacted areas.

The new requirements for Special Area 2 are as follows:

- **WELL CASING REQUIREMENT OF 425 FEET** for the following location:
SE ¼, Section 36, Township 26 North, Range 34 West.
- **WELL CASING REQUIREMENT OF 450 FEET** for the following location:
NW ¼, Section 17, Township 28 North, Range 32 West.
- **WELL CASING REQUIREMENT OF 460 FEET** for the following location:
SW ¼, Section 17, Township 28 North, Range 32 West.

It would constitute a threat to the Ozark aquifer, an important source of Missouri drinking water, to allow wells to be constructed to Area 1 construction standards within these known impact areas. This is because the aquifer above the Ozark aquifer has known lead contamination. To protect water quality the upper aquifer needs to be kept separate from the lower through stricter construction requirements. The Special Area 2 Impact Map will be modified in January 2010. Until that time, please attach these new requirements to your current 2009 map. If you have any questions please contact the Department of Natural Resources’ Wellhead Protection Program at 573-368-2170.

PERMIT REQUIREMENT FOR DISCONNECTING WELLS

As new customers are connected to public water supplies and their old private wells are disconnected from the distribution system, a permitted well or pump installation contractor must perform all electrical wiring that impacts the pump or pumping systems related to the private well, as described in the pump installation section, Chapter 3, of the Missouri Water Well Construction Rules. This permitting requirement also pertains to the installation or removal of all plumbing or water supply distribution from the private well to the point of entry. A permitted contractor must perform all plumbing that impacts the distribution of water from the well, through the pressure system to the point of entry inside or outside of the structure to the building being served. This includes pressure tanks, water treatment equipment and any other materials used in the initial installation of the private well’s water system, inside and outside the structure.

This rule was upheld by the Missouri Court of Appeals, Eastern District Division Three in 1995 [Shepard Well Drilling Co., et al., v. St. Louis County].

This does not always happen. The Department will soon be sending out a fact sheet to public water suppliers and engineering firms with each approval letter for Public Water Supply extensions. This fact sheet explains the applicable permitting and reporting requirements in the law that must be followed when the water supply extends the system to new customers that were previously served by a private well.

As always, a homeowner may disconnect their own private well from the system at the time of hook up, but if they contract to have the work done, that person must be a permitted well or pump installation contractor.

JOB ANNOUNCEMENT

The Department of Natural Resources, Division of Geology and Land Survey, Geological Survey Program will be hiring a Technical Assistant with special qualifications as a driller. Applicants must possess a valid Missouri Class B commercial driver's license (CDL) and a non-restricted water well and monitoring well permit at the time of employment. The position is expected to be filled in August. Details regarding employment with the Department can be found at the Office of Administration's Web site at www.oa.mo.gov. Inquiries regarding the special requirements for the position can be made by contacting Glen Young or Peter Price, in the Environmental Geology Section, at 573-368-2161.

WELLHEAD PROTECTION SECTION PHONE NUMBER LISTING

Wellhead Protection Section 573-368-2165

- **Beth Marsala**
Section Chief
573-368-2171
beth.marsala@dnr.mo.gov
- **Sheri Fry**
573-368-2115
sheri.fry@dnr.mo.gov
- **Chris Wieberg**
573-368-2167
chris.wieberg@dnr.mo.gov
- **Tracy Ray**
573-368-2174
tracy.ray@dnr.mo.gov
- **Eric Hohl**
573-368-2168
eric.hohl@dnr.mo.gov
- **Jeannie Hoyle**
573-368-2450
jeannie.hoyle@dnr.mo.gov
- **Matt Parker**
573-368-2170
matt.parker@dnr.mo.gov
- **Paul Meyer**
573-368-2159
paul.meyer@dnr.mo.gov
- **Debbie Stogsdill**
573-368-2165
debbie.stogsdill@dnr.mo.gov
- **Kyle Rollins**
573-368-2196
kyle.rollins@dnr.mo.gov
- **Joe Schlueter**
573-368-2316
joe.schlueter@dnr.mo.gov
- **Ruth Ann Williams**
573-368-2318
ruth.williams@dnr.mo.gov



Editor's Note: The Connection is published quarterly by the Missouri Department of Natural Resources' Division of Environmental Quality. If you have any suggestions, ideas or comments concerning this newsletter, please let us know. Send comments to:
Missouri Department of Natural Resources, Wellhead Protection Section, P.O. Box 250, Rolla, MO 65402-0250, by phone to 573-368-2165, or by fax to 573-368-2317.

Mark N. Templeton, Director
Missouri Department of Natural Resources

Daniel R. Schuette, Director
Division of Environmental Quality

PRSRT. STD.
U.S. POSTAGE
PAID
PERMIT #215
ROLLA, MO

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
WELLHEAD PROTECTION SECTION
PO BOX 250
ROLLA, MO 65402-0250
573-368-2165

